

CLAIMS

What is claimed is:

1. A plastic drawer cabinet kit having a base panel, a top panel, a left side panel, a right side panel and a back panel in combination with a plurality of drawer guides and drawers comprising:

a base panel for enclosing the bottom of said drawer cabinet, said base panel having an upper surface, a lower surface, a left end, a right end, a front portion and a back portion, said left end including a means for attaching said base panel to a left side panel in a perpendicular relationship, said right end including a means for attaching said base panel to a right side panel in a perpendicular relationship, said rear portion including a means for attaching said base panel to a back panel in a perpendicular relationship;

a top panel for enclosing the top of said drawer cabinet, said top panel having an upper surface, a lower surface, a left end, a right end, a front portion and a back portion, said left end including a means for attaching said top panel to a left side panel in a perpendicular relationship, said right end including a means for attaching said top panel to a right side panel in a perpendicular relationship, said back portion including a means for

1 attaching said top panel to a back panel in a perpendicular  
2 relationship;

3 a back panel for enclosing the back of said wall  
4 cabinet, said back panel having a top edge, a bottom edge, a  
5 left edge, and a right edge, said top edge including a means  
6 for attaching said back panel to said top panel in a  
7 perpendicular relationship, said bottom edge including a  
8 means for attaching said back panel to said base panel in a  
9 perpendicular relationship;

10 a left side panel for enclosing the left side of said  
11 drawer cabinet, said left side panel including a top edge, a  
12 bottom edge, a front edge, a back edge, an inner surface and  
13 an outer surface, said top edge including a means for  
14 attaching said left side panel to said top panel in a  
15 perpendicular relationship, said bottom edge including a  
16 means for attaching said left side panel to said base panel  
17 in a perpendicular relationship, said inner surface including  
18 a means for removably securing a plurality of drawer guides  
19 in a vertically spaced generally parallel relationship;

20 a right side panel for enclosing the right side of said  
21 drawer cabinet, said right side panel including a top edge, a  
22 bottom edge, a front edge, a back edge, an inner surface and  
23 an outer surface, said top edge including a means for  
24 attaching said right side panel to said top panel in a

1 perpendicular relationship, said bottom edge including a  
2 means for attaching said right side panel to said base panel  
3 in a perpendicular relationship, said inner surface including  
4 a means for removably securing a plurality of drawer guides  
5 in a vertically spaced generally parallel relationship;

6 a plurality of drawer guides, said drawer guides  
7 including a means of removably securing said drawer guides to  
8 said inner surfaces of said left and said right side panels,  
9 said drawer guides constructed and arranged to cooperate with  
10 at least one drawer to provide support and prevent tipping  
11 and canting of said at least one drawer while said at least  
12 one drawer is moved inwardly and outwardly of said cabinet  
13 assembly;

14 at least one drawer for enclosing the front of said  
15 drawer cabinet and providing a storage area within said  
16 drawer cabinet, said at least one drawer including a front  
17 portion, a rear portion, a left side and a right side, said  
18 left side and said right side each including at least one  
19 upper roller and at least one lower roller rotatably mounted  
20 thereto, wherein said upper and said lower rollers are  
21 constructed and arranged to cooperate with said drawer guides  
22 to allow said at least one drawer to be moved inwardly and  
23 outwardly of said drawer cabinet to provide access to said  
24 storage area within said at least one drawer;

1        wherein said drawer cabinet can be shipped fully  
2 assembled or in a disassembled state and assembled on a  
3 desired site without separate fasteners.

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5        2. The drawer cabinet kit as described in claim 1,  
6 wherein said means for removably securing a plurality of  
7 drawer guides includes a pair of vertical rails integrally  
8 molded on each of said inner surfaces of said left and said  
9 right side panels, wherein one of said vertical rails is  
10 positioned generally adjacent to said front edge of each said  
11 panel and one of said vertical rails is positioned generally  
12 adjacent to said rear edge of each said panel, said vertical  
13 rails extending from about said bottom edges of said panels  
14 to about said top edges of said panels, said vertical rails  
15 including a plurality of vertically spaced apertures, wherein  
16 said apertures are constructed and arranged to cooperate with  
17 said drawer guides for removable attachment thereof, wherein  
18 said drawer guides are positionable in a generally parallel  
19 relationship to accommodate a combination of various sized  
20 drawers to fill said cabinet.

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22        3. The drawer cabinet kit as described in claim 1,  
23 wherein said drawer guides are generally L-shaped, said L-  
24 shaped drawer guides including a vertical leg and a

1 horizontal leg, a front portion, and a back portion, wherein  
2 said vertical leg is constructed and arranged to prevent  
3 canting of said drawers while said drawers are moved inwardly  
4 and outwardly of said drawer cabinet, wherein said horizontal  
5 leg is constructed and arranged to cooperate with said at  
6 least one drawer to prevent tipping of said drawer while said  
7 drawer is moved inwardly and outwardly of said drawer  
8 cabinet, wherein said vertical leg includes a means for  
9 removably securing said drawer guides to said inner surfaces  
10 of said left and said right side panels, wherein said means  
11 for removably securing said drawer guides to said inner  
12 surfaces of said left and said right side panels are  
13 constructed and arranged to cooperate with said inner  
14 surfaces of said side panels to removably secure said drawer  
15 guide members in a vertically spaced generally parallel  
16 relationship.

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18 4. The drawer cabinet kit as described in claim 3,  
19 wherein said means for removably securing said drawer guides  
20 to said inner surfaces of said left and said right side  
21 panels includes a pair of outwardly extending locking posts,  
22 wherein one of said locking posts is integrally formed into  
23 said front portion of said vertical leg of said drawer guide  
24 and one of said locking posts is integrally formed into said

1 back portion of said vertical leg of said drawer guide,  
2 wherein said locking posts are constructed and arranged to  
3 have a conjugate shape to said left and said right side panel  
4 vertical rail apertures, wherein said locking posts enter  
5 said apertures for coupling engagement between said drawer  
6 guides and said side panels, wherein said drawer guides may  
7 be positioned to accommodate a combination of various sized  
8 drawers to fill said drawer cabinet.

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10 5. The drawer cabinet assembly as described in claim 4,  
11 wherein each said locking post includes at least one  
12 integrally formed spring tab, wherein said spring tab is  
13 constructed and arranged to cooperate with said vertical rail  
14 apertures for a mechanically and releasably secure connection  
15 between said drawer guides and said side panels.

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17 6. The drawer cabinet kit as described in claim 3,  
18 wherein said drawer guides each include at least one roller,  
19 wherein said at least one roller is rotatably mounted in said  
20 front portion of said horizontal leg of said drawer guide  
21 for supporting said at least one drawer, wherein said  
22 horizontal leg includes an upper surface and a lower surface,  
23 wherein said roller is sized and positioned between said

1 upper surface and said lower surface so that a portion of  
2 said roller protrudes above said top surface.

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4 7. The drawer cabinet kit as described in claim 6,  
5 wherein said upper surface of said horizontal leg of said  
6 drawer guide includes an outwardly protruding detent, wherein  
7 said detent is integrally formed into said rear portion of  
8 said drawer guide, wherein said rollers rotatably mounted on  
9 said left and said right lower portions of said at least one  
10 drawer cooperate with said detent for releasably securing  
11 said drawer member within said drawer cabinet, wherein  
12 pulling outward on said at least one drawer allows said  
13 rollers to release from said detent.

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15 8. The drawer cabinet kit as described in claim 6,  
16 wherein said lower surface of said horizontal leg of said  
17 drawer guides include an integrally formed and outwardly  
18 protruding stop tab, wherein said stop tab is constructed and  
19 arranged to cooperate with said rear portion of at least one  
20 drawer to prevent said drawer from being extended completely  
21 out of said drawer cabinet.

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23 9. The drawer cabinet kit as described in claim 6,  
24 wherein said left and said right sides of said at least one

1 drawer each include an integrally formed upper roller pocket  
2 and an integrally formed lower roller pocket, wherein said  
3 upper roller pockets are positioned generally at an upper  
4 rear portion of said left side and said right side of said  
5 drawer, wherein said lower roller pockets are positioned  
6 generally at a lower rear portion of said left side and said  
7 right side of said drawer, wherein said upper rollers are  
8 rotatably mounted within said upper roller pockets to extend  
9 partially outward therefrom to cooperate with said lower  
10 surface of an adjacent drawer guide, and wherein said lower  
11 rollers are rotatably mounted within said lower roller  
12 pockets to extend partially outward therefrom to cooperate  
13 with said upper surface of an adjacent drawer guide, wherein  
14 said rollers and said drawer guides prevent said drawer from  
15 tipping as said drawer is extended outwardly from said drawer  
16 cabinet.

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18 10. The drawer cabinet kit as described in claim 6,  
19 wherein said at least one drawer member includes a lower  
20 surface, said lower surface including a pair of detents  
21 integrally formed therein, wherein said pair of detents are  
22 constructed and arranged to cooperate with said rollers  
23 rotatably mounted in said front portion of said drawer guides

1 for releasably securing said at least one drawer within said  
2 drawer cabinet.

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4 11. The drawer cabinet kit as described in claim 1,  
5 wherein said means of attaching said base panel to said left  
6 side panel, said right side panel, and said back panel  
7 includes a plurality of outwardly extending locking posts,  
8 wherein said locking posts are constructed and arranged to  
9 cooperate with a plurality of locking sockets, wherein said  
10 locking posts are brought into an coupling engagement with  
11 corresponding locking sockets in said left side panel, said  
12 right side panel and said back panel resulting in a  
13 mechanically secure connection between said base panel and  
14 said left, right, and back panels.

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16 12. The drawer cabinet kit as described in claim 11  
17 wherein said base panel locking posts include at least one  
18 integrally formed spring-tab, wherein said at least one  
19 spring-tab is constructed and arranged to cooperate with said  
20 locking sockets for positively maintaining secure coupling  
21 engagement between said base panel and said left, right and  
22 back panels.

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1           13. The drawer cabinet kit as described in claim 1,  
2 wherein said means of attaching said top panel to said left  
3 side panel, said right side panel, and said back panel  
4 includes a plurality of outwardly extending locking posts,  
5 wherein said locking posts are constructed and arranged to  
6 cooperate with a plurality of locking sockets, wherein said  
7 locking posts are brought into an coupling engagement with  
8 corresponding locking sockets in said left side panel, said  
9 right side panel and said back panel resulting in a  
10 mechanically secure connection between said base, left,  
11 right, and back panels.

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13           14. The drawer cabinet kit as described in claim 13  
14 wherein said top panel locking posts include at least one  
15 integrally formed spring-tab, wherein said at least one  
16 spring-tab is constructed and arranged to cooperate with said  
17 locking sockets for positively maintaining secure coupling  
18 engagement between said top panel and said left, right and  
19 back panels.

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21           15. The drawer cabinet kit as described in claim 1  
22 wherein said left side panel, said right side panel, and said  
23 back panel include a plurality of locking sockets arranged in  
24 a linear fashion along said top and said bottom edges, said

1 locking sockets extending inwardly between said outer surface  
2 and said inner surface, wherein said locking cavities are  
3 constructed and arranged to cooperate with said top and said  
4 base panels, wherein said top and said base panels are  
5 secured to said left, right and back panels via said locking  
6 sockets.

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8 16. The drawer cabinet kit as described in claim 15,  
9 wherein at least one of said locking sockets include an  
10 aperture therethrough, wherein said aperture is constructed  
11 and arranged for mating engagement with at least one spring-  
12 tab integrally formed into locking posts in said top and said  
13 base panels.

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15 17. The drawer cabinet kit as described in claim 1,  
16 wherein said bottom surface of said base panel includes  
17 integrally formed cross-bracing, wherein said cross-bracing  
18 provides increased weight capacity and stability to said  
19 drawer cabinet kit.

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